

Abstract of the Disclosure

METHOD FOR CONTROLLING DISTORTION OF A MATERIAL DURING  
A WELD PROCESS

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A method for controlling distortion of a material during a weld process. The method includes modeling the weld process of the material, determining distortions produced by the weld process, determining  
10 a plurality of simulated induced distortions in the model to offset the produced distortions, generating a plurality of actual induced distortions in the material as a function of the simulated induced distortions, and performing the weld process on the  
15 material.